

FIG. 1

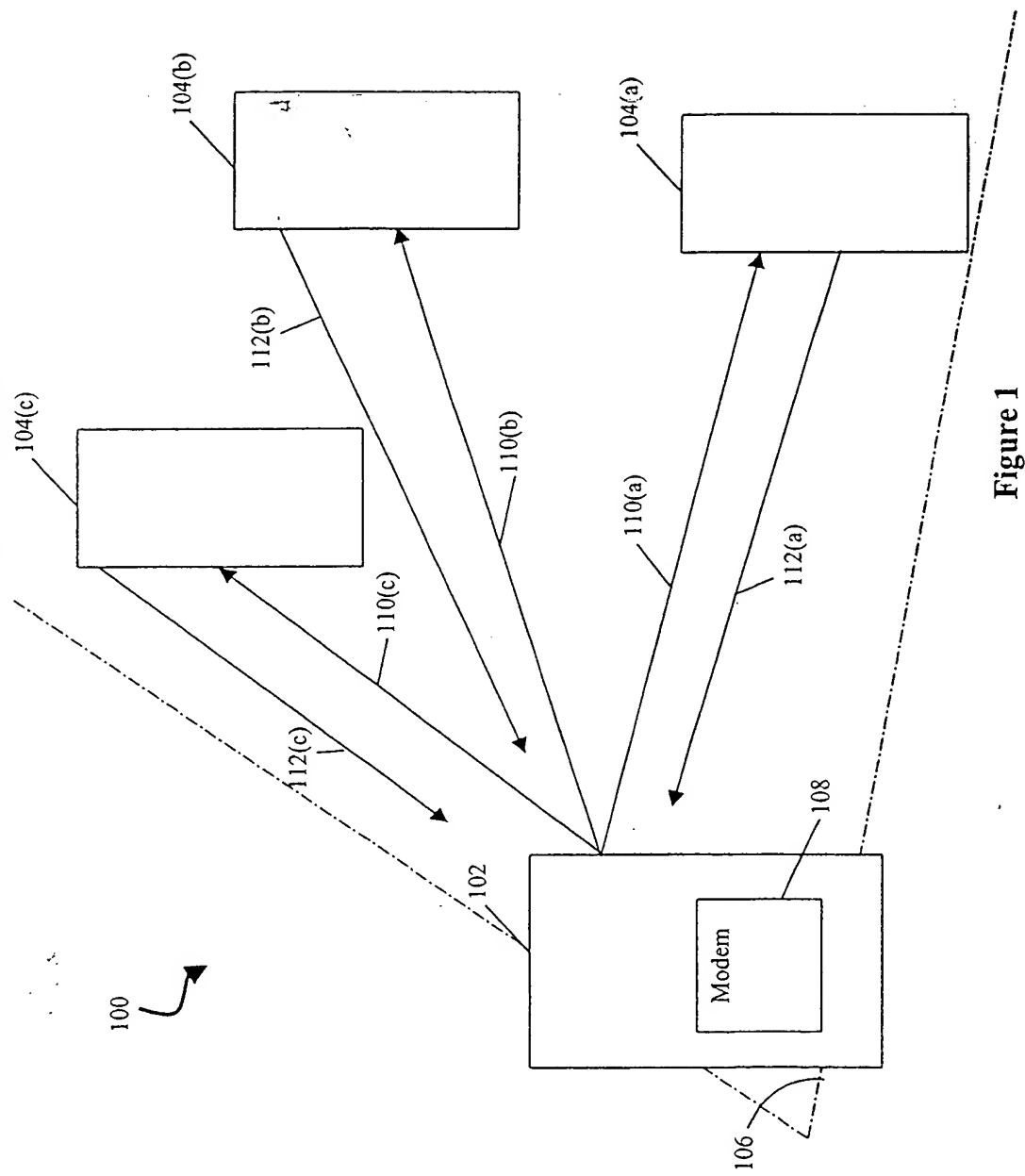


Figure 1

300

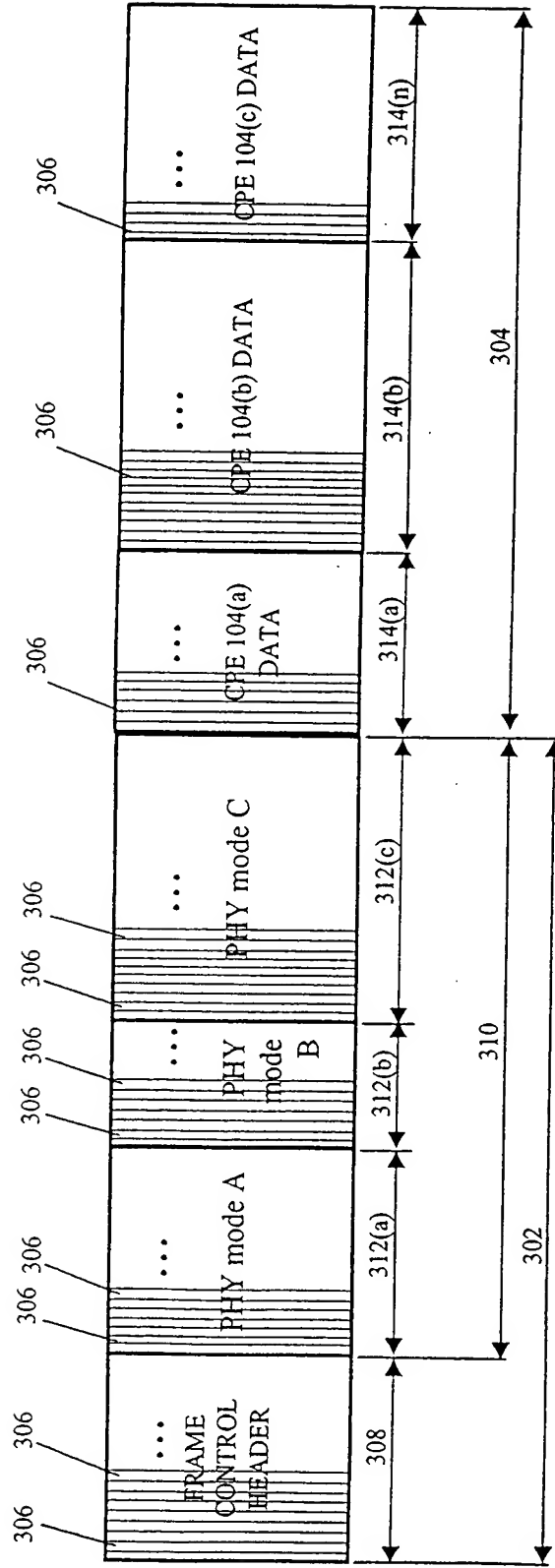


FIGURE 2

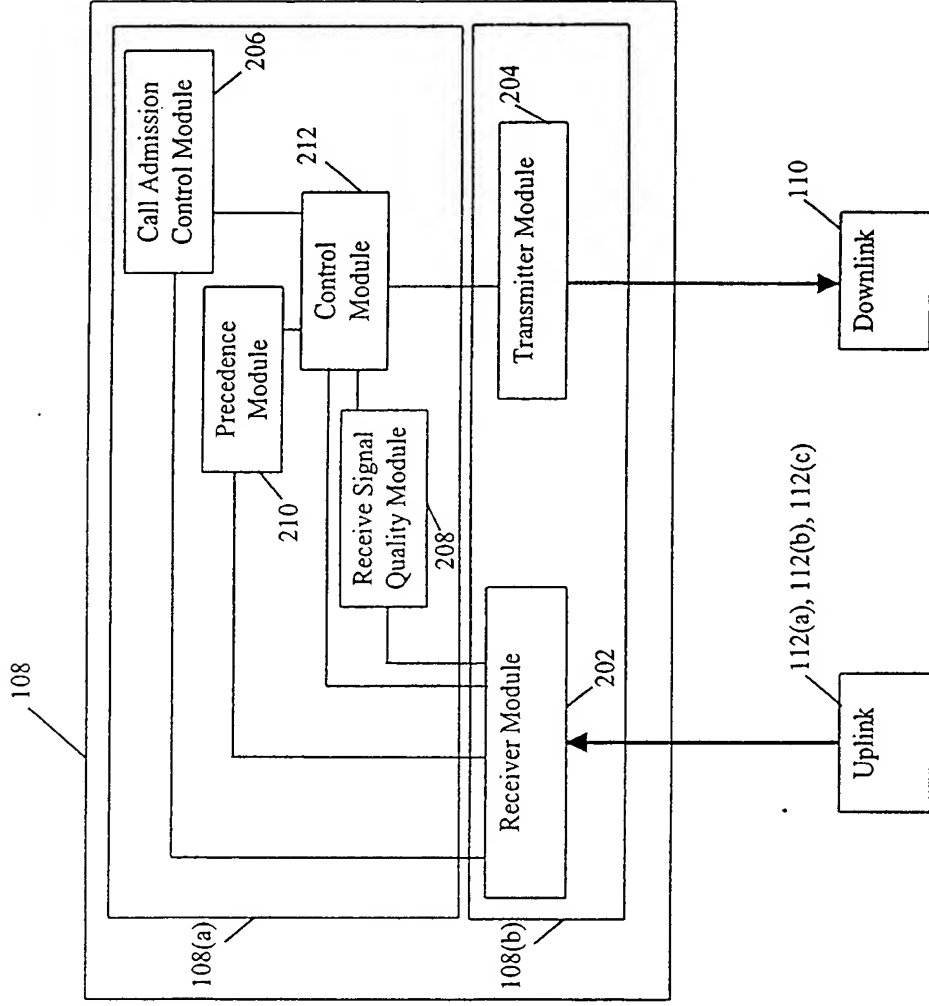


Figure 3

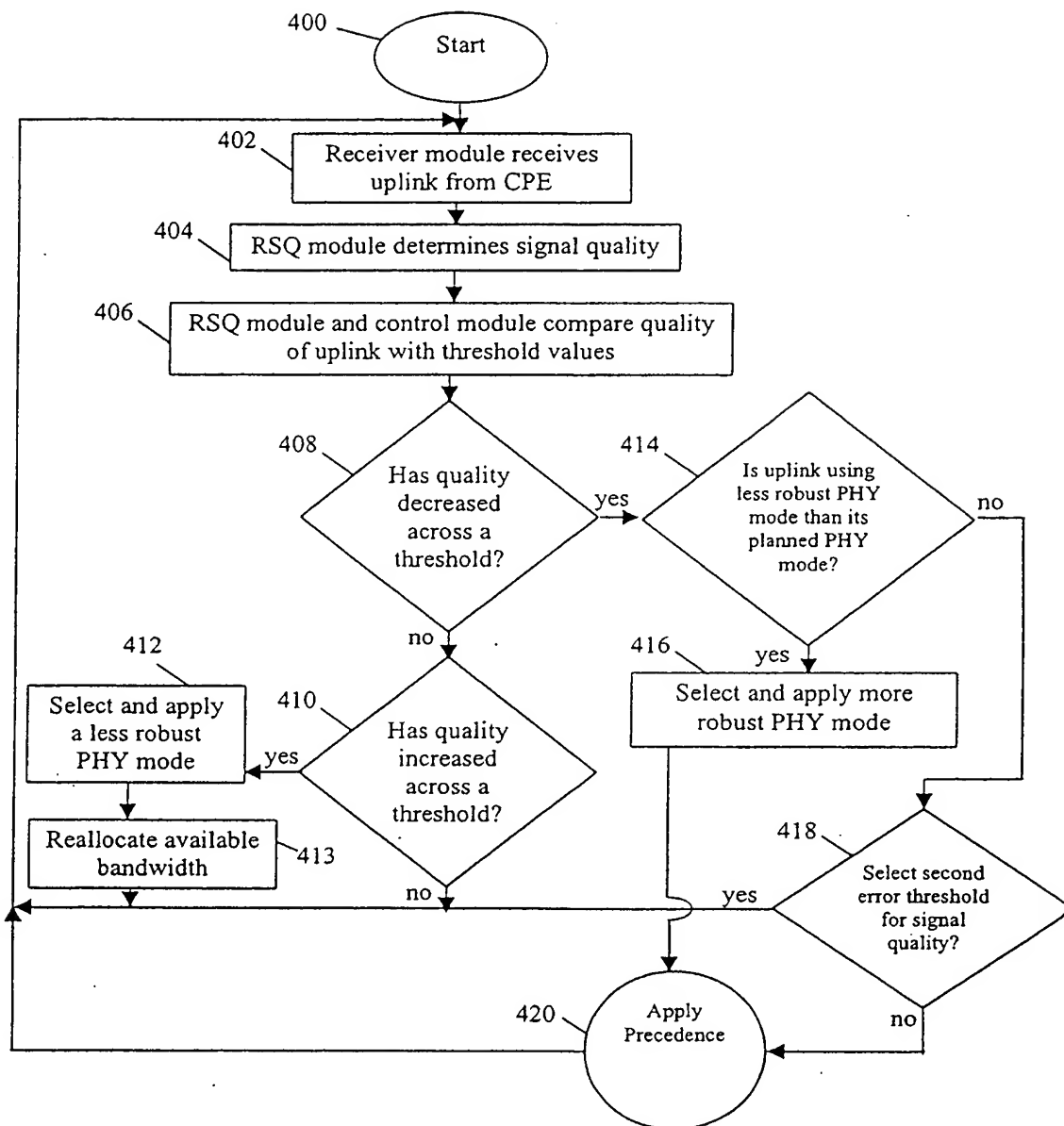


FIGURE 4

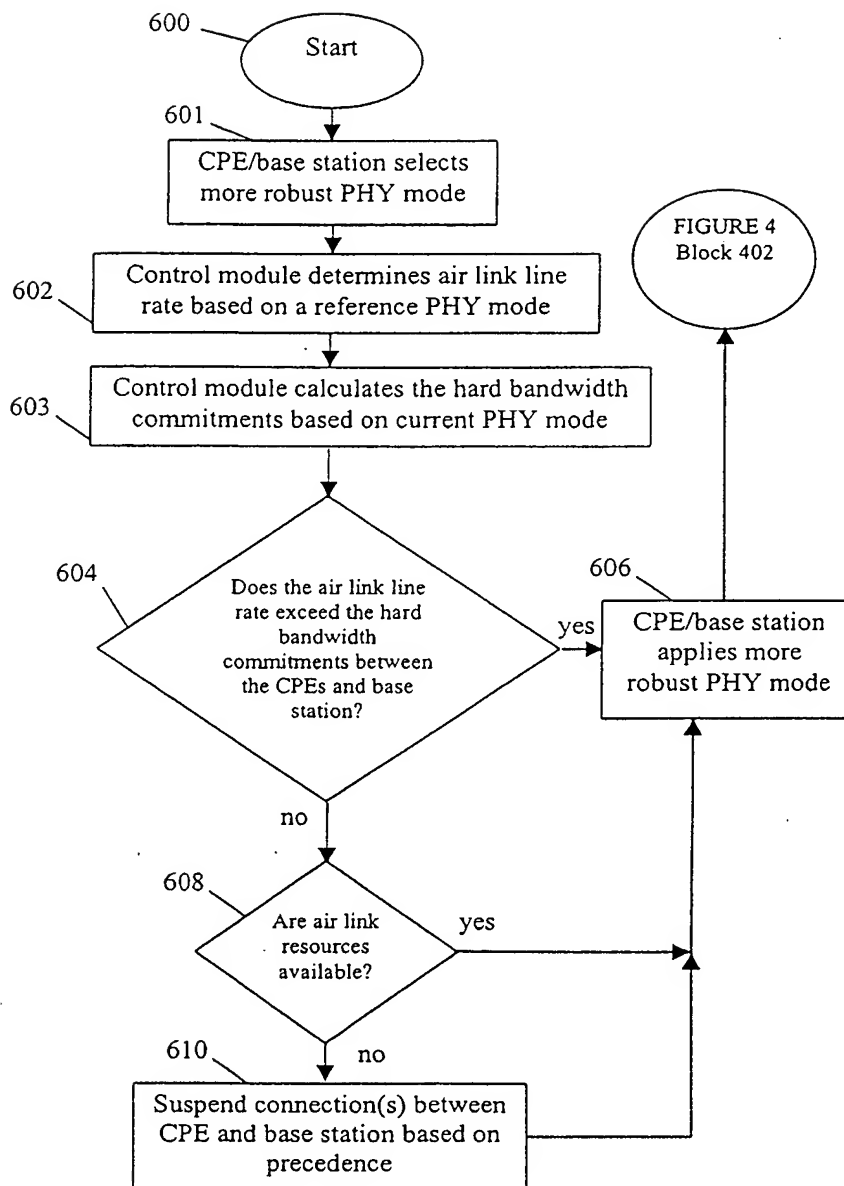


FIGURE 5

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graph TD
    500([Start]) --> 502[Receiver module receives a request for a new connection]
    502 --> 504[CAC module sums the hard bandwidth commitments between the CPEs and base station based on planned PHY modes]
    504 --> 506[Control Module determines air link line rate based on reference PHY mode]
    506 --> 508{Does the air link line rate exceed the hard bandwidth commitments?}
    508 -- yes --> 510[Allow the new connection]
    508 -- no --> 512[Control Module determines hard bandwidth commitments based on current PHY mode]
    510 --> 516[Allocate air link resources to the new connection]
    512 --> 514{Does the air link line rate exceed the hard bandwidth commitments between the CPEs and base station?}
    514 -- yes --> 516
    514 -- no --> 518{Are air link resources available?}
    518 -- yes --> 516
    518 -- no --> 520[Suspend connection(s) between CPE and base station based on precedence]
    520 --> 516
    516 --> 506
    508 -- no --> 522[Deny the new connection]
    522 --> 516
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FIGURE 6